

In reference to §V-B ¶24, even though the proposed antenna is situated near a moderately populated area, it is not expected that the applicant's facility would cause objectionable interference or receiver-induced intermodulation to any of the non-broadcast services now located on the supporting tower. Nonetheless, the applicant will assume full responsibility for the elimination of any such interference caused by this proposal. The applicant will not be responsible for interference caused by other services later locating on the tower or for malfunction of any equipment owned by those new services.

FIGURE 1 is a vertical plan sketch showing a Harris FML-2E circularly polarized antenna side-mounted at the 160 meter level of a uniform cross-section guyed steel tower. The antenna will be fed with 168 meters (550') of Cablewave HCC-78-50J 2.22cm (7/8") air dielectric transmission line.

FIGURES 2A & 2B are first a full-scale portion of the Binghamton West Quadrangle USGS 7½-minute topo map, then a photoreduction of the entire map. Both maps clearly located the proposed antenna site on an existing tower and comply with the Public Notice of 4/5/85, Mimeo 3693. Figure 2C clearly shows all AM, FM, and TV facilities near the tower.

FIGURE 3 is a portion of a photoreduced 1:250,000 USGS topo map depicting the proposed 60dBu/1.0 mv/m predicted service contour along with radials on which terrain data were gathered, legal boundaries of Binghamton, New York, scale in kilometers, miles, and nautical miles, site coordinates, as well as latitude and longitude markings.

FIGURE 4 is a portion of a 1:1,000,000 World Aeronautical Chart on which are shown the service and interference contours of this instant proposal and the service and interference contours of WCNV, Syracuse, NY, WVMW, Scranton, PA, WXXI-FM, Rochester, NY, WRPI, Troy, NY, WICB, Ithaca, NY, and WSQC, Oneonta, NY. The proposal more than meets the requirements of §73.509(d)(3) of the Rules regarding contour protection.

FIGURE 5, Page 1-10 is a channel study from FM channel 215 to 221. Only those facilities marked with ### were deemed necessary for detailed study.

FIGURE 6 is a printout of a terrain averaging program for the proposed antenna site. The program employs the NGDC 30-second database.

FIGURE 7 is a tabulation of predicted service/interference contours for this instant proposal base on the terrain printout and operation with 0.56 kW E.R.P. at 257 meters above average terrain.

FIGURE 8 is a tabulation of predicted service/interference contours of WXXI-FM, Rochester, NY.

FIGURE 9 is a tabulation of predicted service/interference contours of WVMW, Scranton, PA.

FIGURE 10 is a tabulation of predicted service/interference contours of WCNV-FM, Syracuse, NY.

FIGURES 11A & 11B are first a printout of a terrain averaging program for WICB, Ithaca, NY and secondly a tabulation of predicted service/interference contours of WICB, Ithaca, NY.

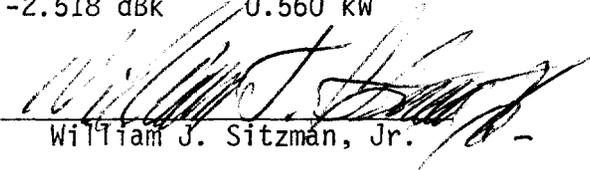
FIGURE 12 is a tabulation of predicted service/interference contours of WSQC, Oneonta, NY.

EFFECTIVE RADIATED POWER

The effective radiated power was determined from the following gain/loss figures:

Transmitter output	-0.512 dBk	0.889 kW
Transmission line loss	-1.993 dB	168m HCC-78-50J F= 63.2%
Power input to antenna	-2.505 dBk	0.562 kW
Antenna Gain	-0.013 dB	Harris FML-2E (Power gain 0.9971)
Effective radiated power	-2.518 dBk	0.560 kW

April 24, 1991


William J. Sitzman, Jr.

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**WARNING- UNAUTHORIZED USE OR COPYING OF DATA IN THIS APPLICATION IS PROHIBITED
AND IS SUBJECT TO LEGAL ACTION.**

FIGURE 1

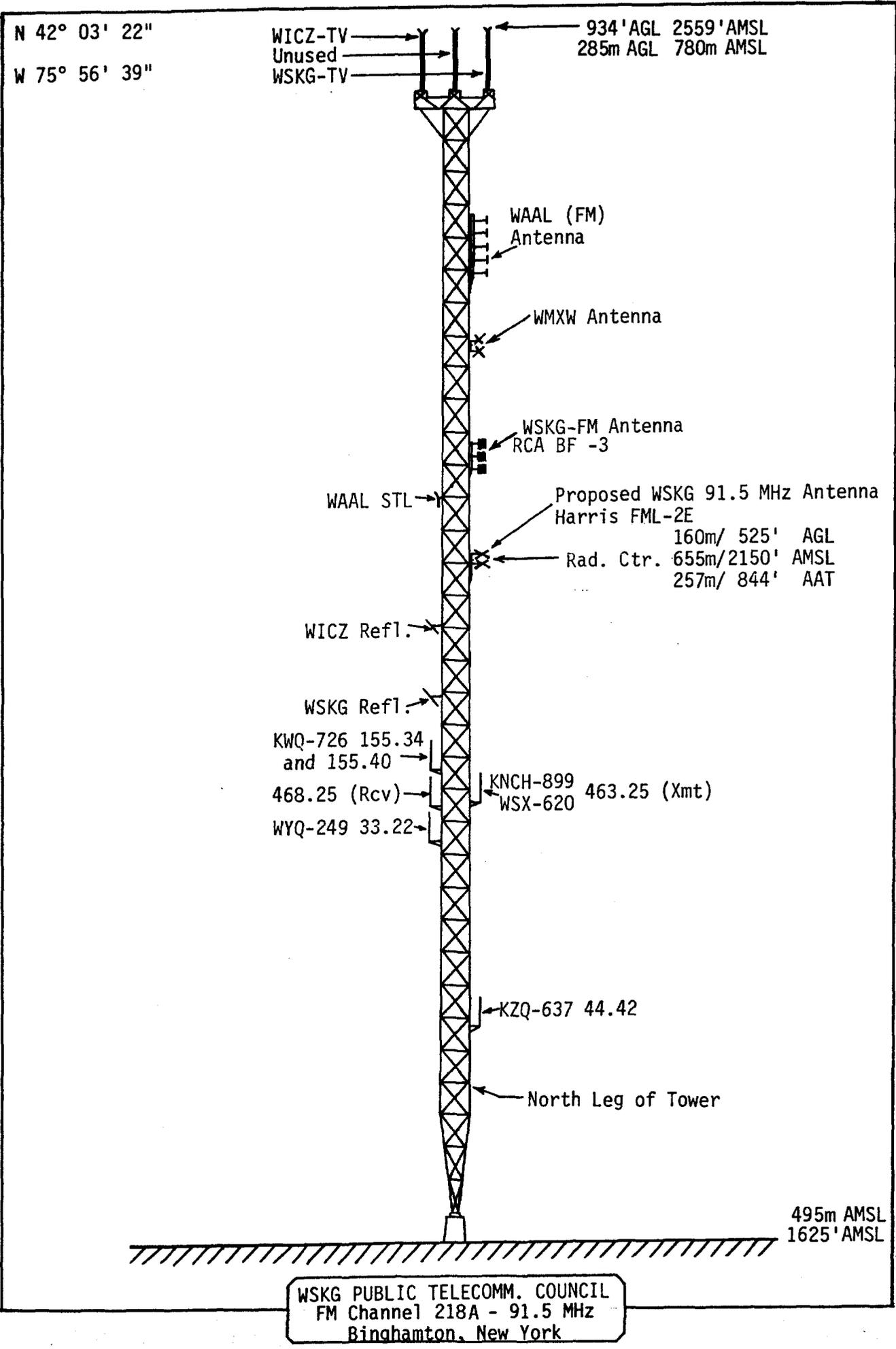
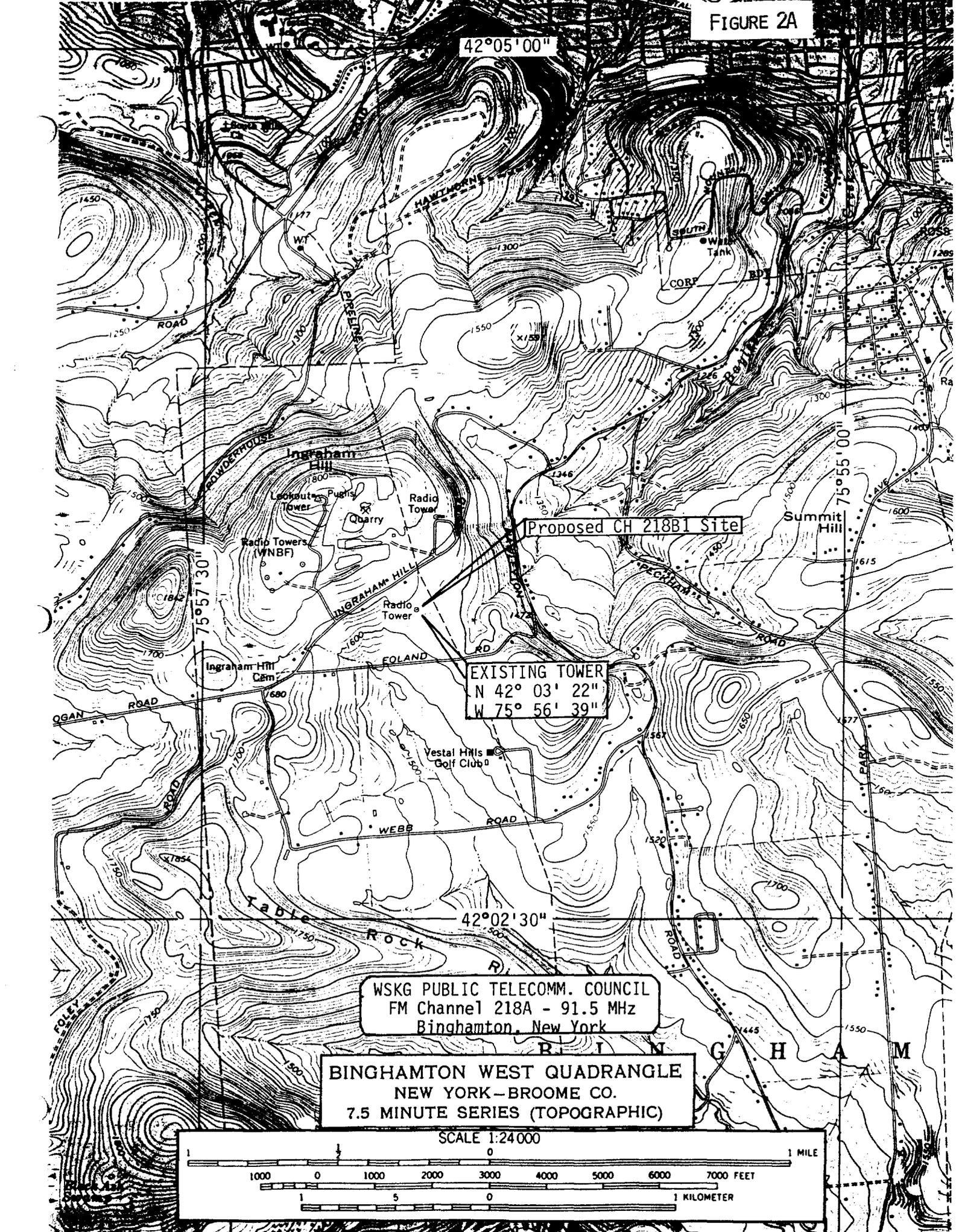


FIGURE 2A

42°05'00"



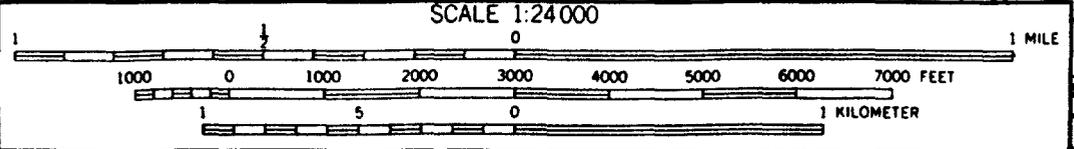
Proposed CH 218B1 Site

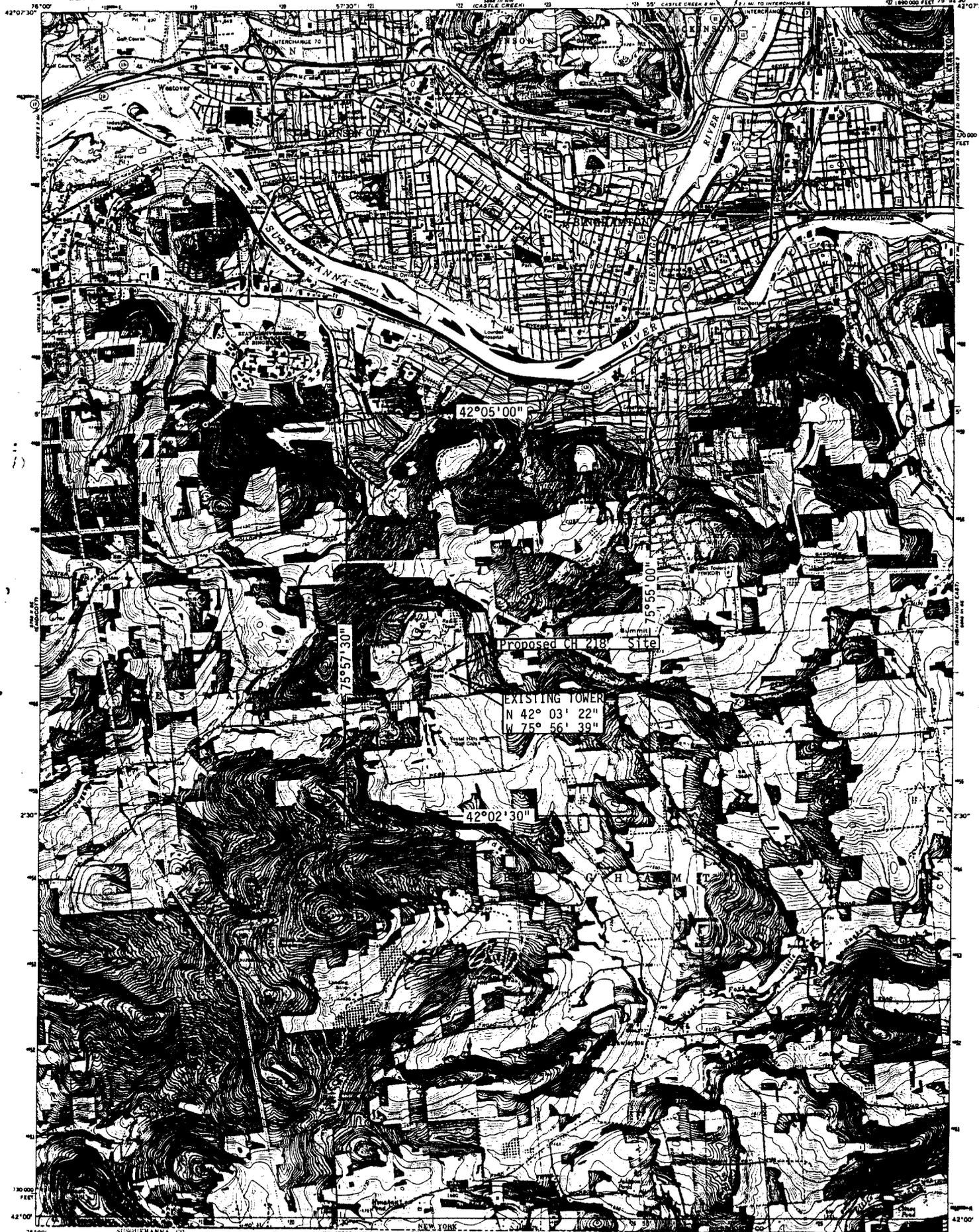
EXISTING TOWER
N 42° 03' 22"
W 75° 56' 39"

WSKG PUBLIC TELECOMM. COUNCIL
FM Channel 218A - 91.5 MHz
Binghamton, New York

BINGHAMTON WEST QUADRANGLE
NEW YORK - BROOME CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

SCALE 1:24 000





Maped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and New York Department of Public Works
Topography by photogrammetric methods from aerial photographs
taken 1967. Field checks 1968. Supplements made 1961
Polyconic projection. 1927 North American datum.
10,000-foot grid based on New York coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 18,
shown in blue.
Fine red dashed lines indicate selected fence and road lines where
generally visible on aerial photographs. This information is unchecked.
Red tint indicates areas in which only landmark buildings are shown.

NEW YORK
PENNSYLVANIA (LAUREL LAKE)
SCALE 1:24,000
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION
WSKG PUBLIC TELECOMM. COUNCIL
FM Channel 218A - 91.5 MHz
Binghamton, New York
BINGHAMTON WEST, N. Y.
N4200-W7552 5/7 A

FIGURE 2C

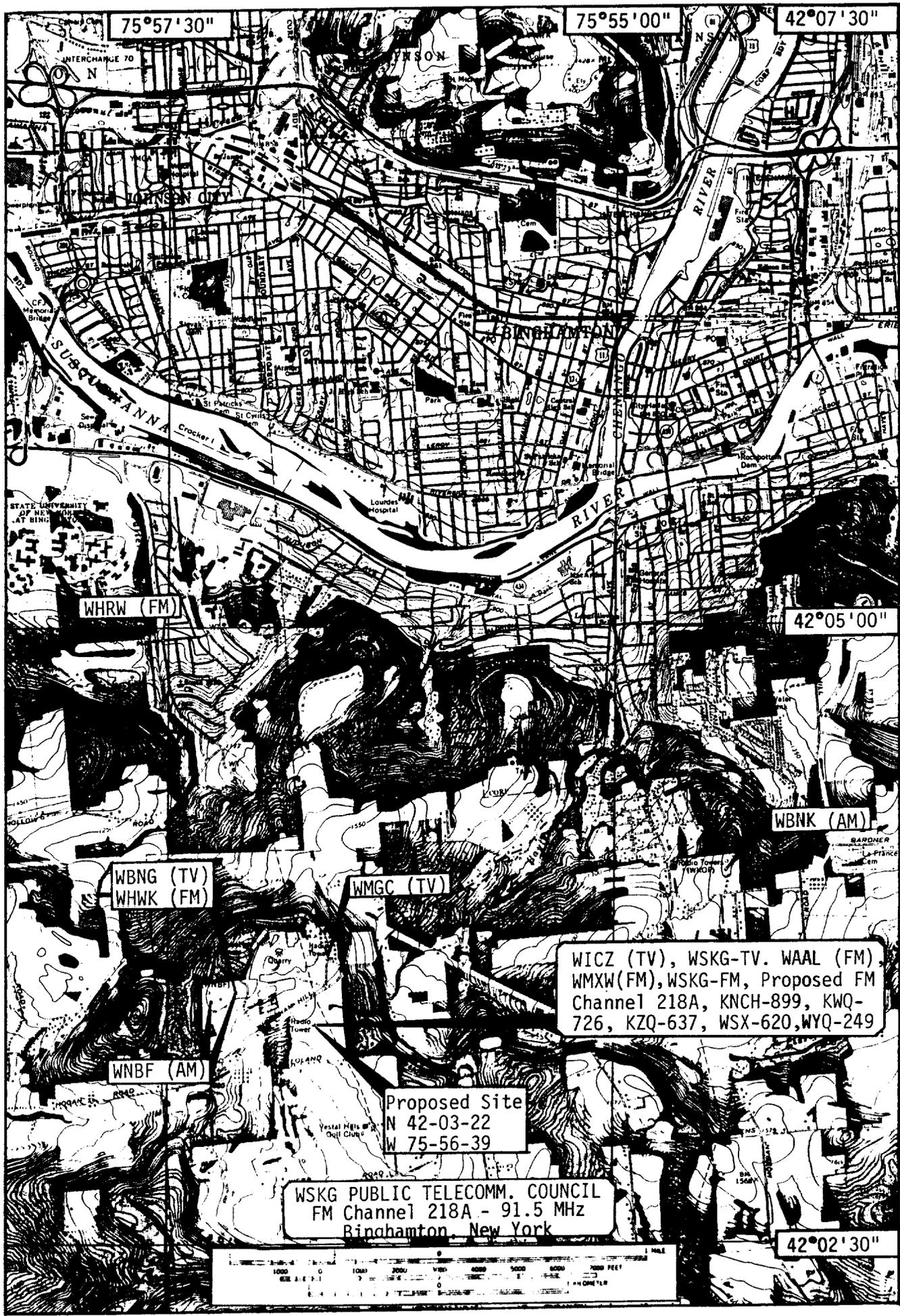
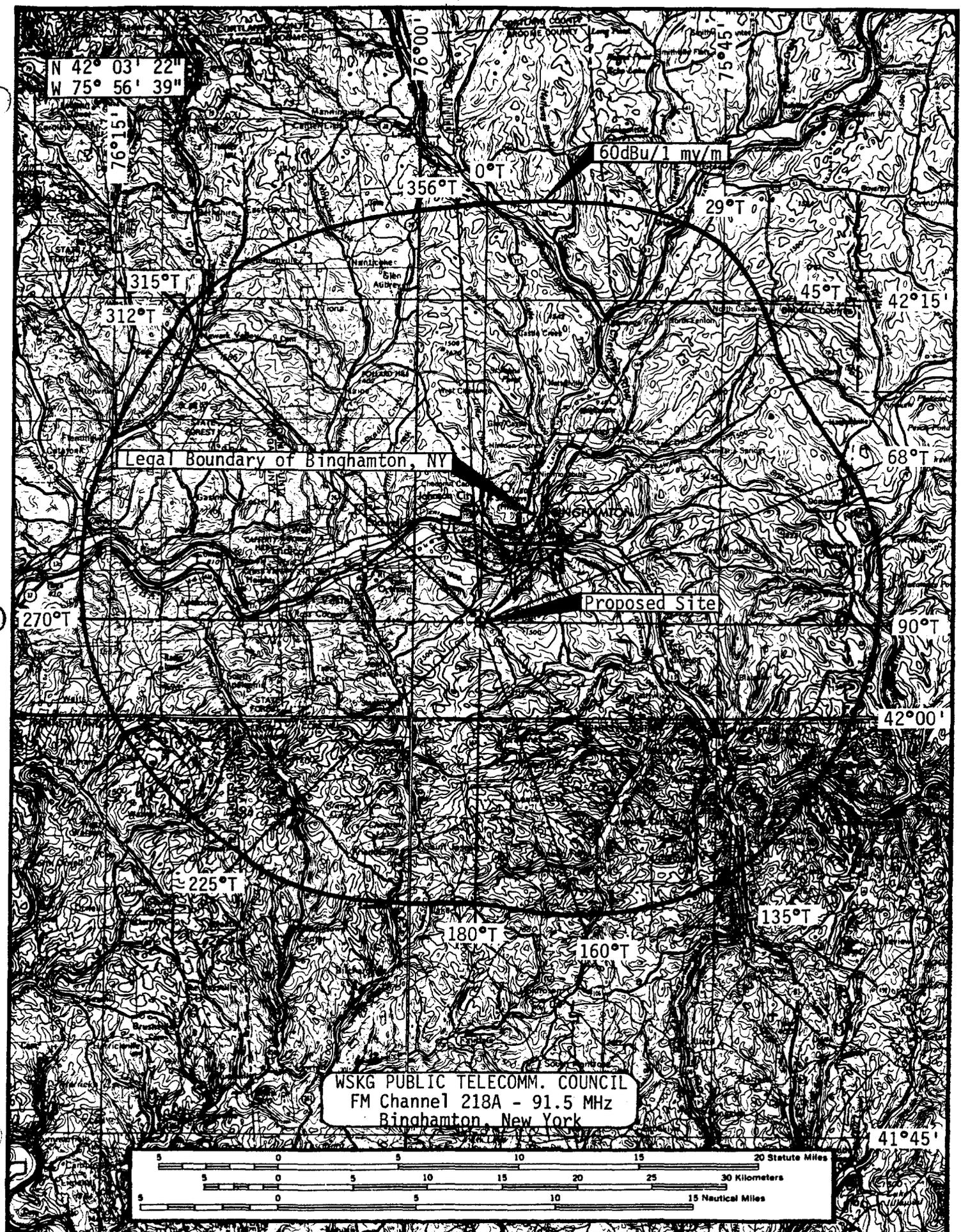


FIGURE 3



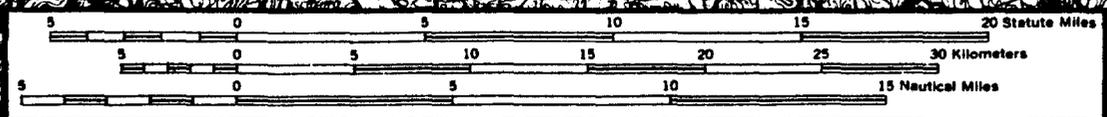
N 42° 03' 22"
W 75° 56' 39"

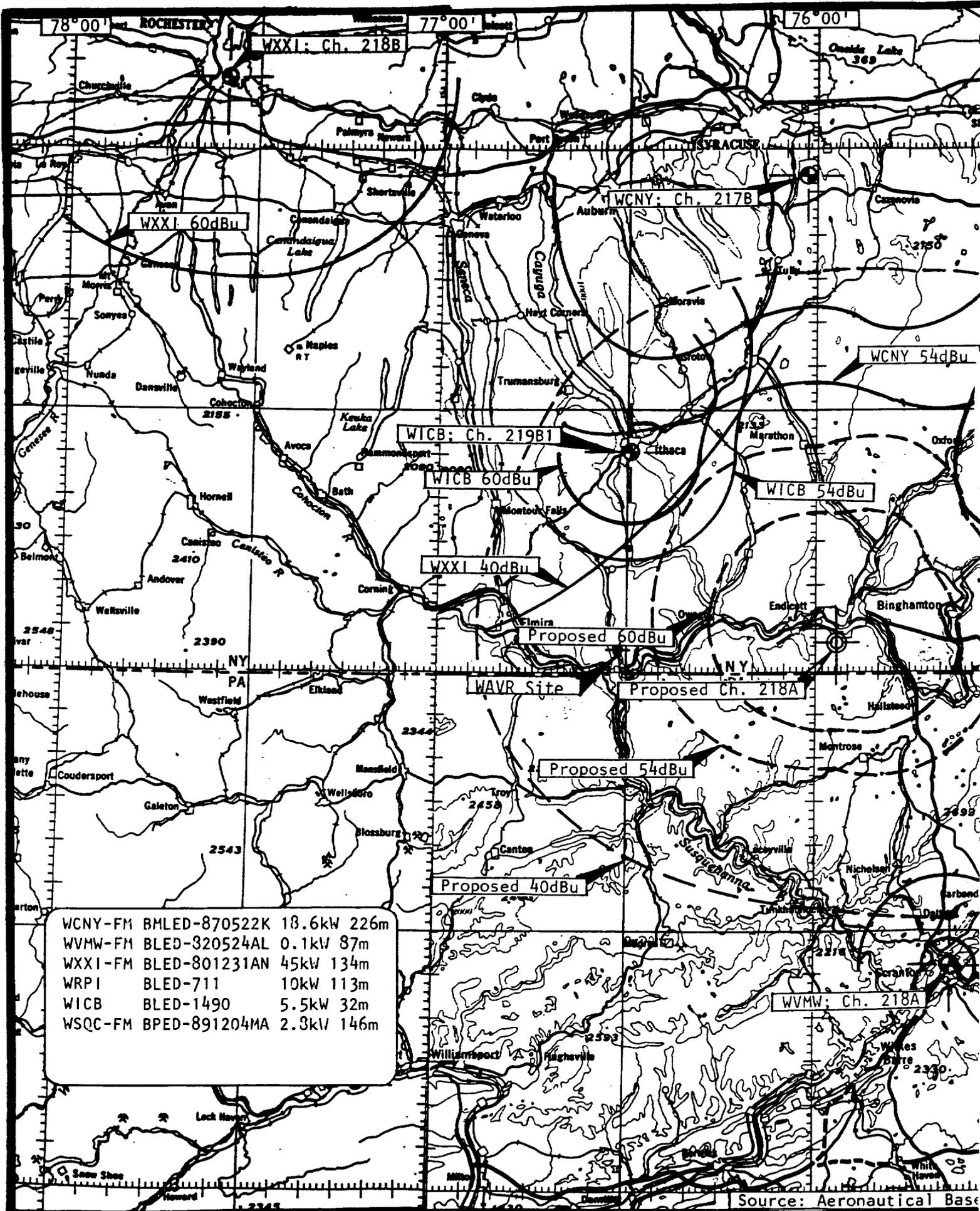
60dBu/1 mv/m

Legal Boundary of Binghamton, NY

Proposed Site

WSKG PUBLIC TELECOMM. COUNCIL
FM Channel 218A - 91.5 MHz
Binghamton, New York





Source: Aeronautical Base

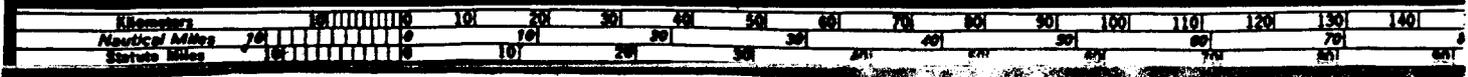


FIGURE 4

Proposed Antenna Site:
N 42-03-22 W 75-56-39

WCNY 60dBu

WRPI: Ch. 218B1

WSOC (CP) 54dBu

WRPI 60dBu

WSOC (CP) 60dBu

WSOC (CP): Ch. 219A

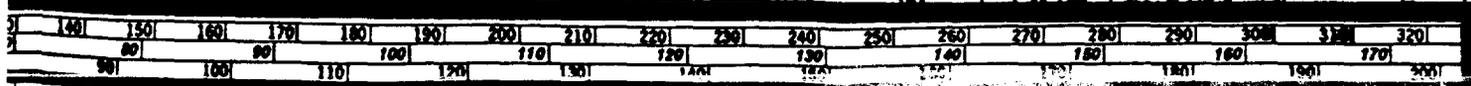
WRPI 40dBu

WVMW 40dBu

WVMW 60dBu

WSRG PUBLIC TELECOMM. COUNCIL
FM Channel 218A - 91.5 MHz
Binghamton, New York

ical Base Map (Photoreduced)



FM within 200.0 mi

Title: BINGHAMTON, NY
 Channel 215 to 221
 Database: DW 03/22/91

Latitude: 42-03-22
 Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-kW	V-kW	Latitude	Br-to	Dist
City of license	St	FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
WSQG-FM LIC	WSKG	PUBLIC TELECOMM COU	*215B1	5.00	5.00	42-34-55	319.5	48.0
ITHACA	NY	BLED-880622KA	90.9	325	325	76-33-22	139.1	
Was WPTC 06/16/88								
WONY	LIC	STATE UNIVERSITY OF NY	*215A	.18		42-28-02	57.5	53.4
ONEONTA	NY	BLED-820222AE	90.9	-72		75-03-40	238.1	
Network: ABC								
WAMK	LIC	W A M C	*215B1	.94	.94DA	42-04-23	88.7	94.5
KINGSTON	NY	BLED-880222KE	90.9	1509	1509	74-06-27	269.9	
WAMK	APP	W A M C	*215B1	.94	.94DA	42-04-35	88.5	94.5
KINGSTON	NY	BPED-901109IA	90.9	1486	1486	74-06-26	269.8	
Accepted per FCC release #14865 dated 11/20/90								
WETD	LIC	STATE UNIVERSITY OF NEW	*215A	.36		42-15-37	279.1	96.2
ALFRED	NY	BLED-820422AH	90.9	285		77-47-51	97.8	
WRQ	LIC	BD OF ED OF CENTRAL SCH	*215D	.010		43-12-59	314.2	116.2
ROCHESTER	NY	BLED-1348	90.9			77-35-46	133.1	
TO *232D; Network: ABC								
WCDB	LIC	STATE UNIVERSITY OF NEW	*215A	.100	.100	42-41-16	67.3	117.0
ALBANY	NY	BLED-820923AB	90.9	209	209	73-49-19	248.8	
WJNY	LIC	PUBLIC BCG COUNCIL OF CE	*215C2	7.09	7.09	43-51-44	4.9	125.2
WATERTOWN	NY	BLED-860904KC	90.9	450	450	75-43-40	185.1	
Network: NPR; Was WNYW 02/02/86								
WHYY-FM LIC	WHYY	INCORPORATED	*215B	13.5	13.5	40-02-30	165.0	143.8
PHILADELPHIA	PA	BLED-830722AD	90.9	920	920	75-14-24	345.5	
Network: NPR								
WKRB	LIC	KINGSBOROUGH COMMUNITY C	*215D	.010		40-34-36	133.8	146.1
BROOKLYN	NY	BLED-790420AG	90.9			73-56-04	315.1	
Network: US1 US2								
NEW	APC	FAMILY LIFE MINISTRIES R	*215B1	10.0	10.0	42-00-26	269.8	160.8
JAMESTOWN	NY	BPED-900705MF	90.9	492	492	79-04-05	87.7	
Tendered per FCC release #14780 dated 07/18/90; Cut-off 10/31/90 A-204								
WRTY	CP	TEMPLE UNIV COMMONWEALTH	*216B1	3.50	3.50DA	41-02-40	157.1	75.7
JACKSON TOWNSHIP	PA	BPED-890127ME	91.1	866	866	75-22-45	337.5	
Granted 08/02/90 per FCC release #20924 dated 08/13/90;								
LII Granted 08/20/90 per FCC release #141 dated 08/24/90								
WBUQ	LIC	BLOOMSBURG UNIVERSITY OF	*216A	.60	.60	41-00-29	199.9	76.9
BLOOMSBURG	PA	BLED-850708KI	91.1	-73	-73	76-26-51	19.6	

FM within 200.0 mi

Title: BINGHAMTON, NY
 Channel 215 to 221
 Database: DW 03/22/91

Latitude: 42-03-22
 Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-KW	V-KW	Latitude	Br-to	Dist
City of license		St FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
NEW HUDSON	APC	SOUND OF LIFE INCORPORAT	*216A		.080	42-17-52	80.3	106.3
		NY BPED-900621MD	91.1		348	73-53-57	261.6	
Tendered per FCC release #14769 dated 07/03/90; Cut-off 10/31/90 A-204								
WFMU EAST ORANGE	APP	UPSALA COLLEGE	*216A	1.44	1.44	40-47-19	134.5	123.9
		NJ BPED-890913ID	91.1	495	495	74-15-20	315.6	
WFMU EAST ORANGE	LIC	UPSALA COLLEGE	*216A	1.45	1.45	40-47-15	134.5	123.9
		NJ BMLD-870611J	91.1	360	360	74-15-18	315.6	
W0SS DSSINING	LIC	UNION FREE SCH DIST #1	*216D	.016		41-09-36	119.2	124.4
		NY BLED-830719AG	91.1	70		73-51-38	300.6	
WPSU STATE COLLEGE	LIC	PENNSYLVANIA STATE UNIVE	*216A	.87	.85	40-48-32	229.4	130.8
		PA BLED-1318	91.1	-78	-83	77-50-28	48.1	
Network: NPR								
WSPN CATOGA SPRINGS	LIC	SKIDMORE COLLEGE	*216A	.25		43-05-55	56.0	131.5
		NY BLED-801201AP	91.1	98		73-47-10	237.5	
Network: AP								
WMSS MIDDLETOWN	LIC	MIDDLETOWN AREA SCHOOL D	*216A	.65	.65	40-11-52	197.8	134.6
		PA BLED-851021KB	91.1	-88	-88	76-43-30	17.3	
WMSS MIDDLETOWN	APP	MIDDLETOWN AREA SCHOOL D	*216A	1.35	1.35	40-11-52	197.8	134.6
		PA BPED-890110IB	91.1	-69	-69	76-43-30	17.3	
WJJW NORTH ADAMS	LIC	NORTH ADAMS STATE COLLEGE	*216A	.42	.42	42-41-27	72.2	151.8
		MA BLED-800124AA	91.1	-830	-830	73-06-16	254.1	
WSHU FAIRFIELD	LIC	SACRED HEART UNIVERSITY	*216B	12.5	12.5DA	41-16-46	109.7	152.5
		CT BLED-881209KB	91.1	595	595	73-11-09	291.6	
Network: NPR								
WSHU FAIRFIELD	APP	SACRED HEART UNIVERSITY	*216B	20.0	20.0DA	41-16-46	109.7	152.5
		CT BPED-900126IB	91.1	620	620	73-11-09	291.6	
Accepted per FCC release #14657 dated 02/07/90								
WZBT GETTYSBURG	LIC	GETTYSBURG COLLEGE	*216A	.13	.13	39-50-15	204.2	167.3
		PA BLED-821126AC	91.1	-30	-30	77-14-09	23.3	
Network: ABC								
WHFC BEL AIR	LIC	HARFORD COMMUNITY COLLEGE	*216A	2.24	2.24	39-33-40	185.3	172.9
		MD BLED-840207AC	91.1	251	251	76-14-43	5.1	
WHFC BEL AIR	CP	HARFORD COMMUNITY COLLEGE	*216A	2.25	2.25	39-33-22	185.9	173.4
		MD BPED-890508IA	91.1	226	226	76-16-48	5.7	
CP Granted 05/10/89								

FM within 200.0 mi

Title: BINGHAMTON, NY
 Channel 215 to 221
 Database: DW 03/22/91

Latitude: 42-03-22
 Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-kW	V-kW	Latitude	Br-to	Dist
City of license	St	FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
WKTW	CP	PERFORMING ARTS NETWK OF	*216B1	.050	10.0DA	39-58-07	145.3	174.1
DOVER TOWNSHIP	NJ	BPED-821221AP	91.1	151	151	74-04-19	326.5	
CP Granted 01/16/87; Call Granted 03/13/87								
WKTW	APP	PERFORMING ARTS NETWK OF	*216B	50.0	50.0DA	39-58-07	145.3	174.1
DOVER TOWNSHIP	NJ	900202IA	91.1		151	74-04-19	326.5	
Tendered per FCC release #14708 dated 04/10/90; Call Granted 03/13/87								
WMUA	LIC	UNIVERSITY OF MASSACHUSE	*216A	1.00	1.00	42-23-31	81.3	177.2
AMHERST	MA	BLED-1005	91.1	27	27	72-31-13	263.6	
Network: AP								
WTSC-FM	CP	CLARKSON UNIVERSITY	*216A	.70		44-39-41	14.5	186.1
POTSDAM	NY	BPED-890807IB	91.1	112		74-59-52	195.1	
Network: ABC; CP Granted 02/15/90 per FCC release #20800 dated 03/01/90								
WTSC-FM	LIC	CLARKSON UNIVERSITY	*216A	.70		44-39-45	14.4	186.1
POTSDAM	NY	BLED-1227	91.1	135		75-00-07	195.1	
Network: ABC								
WCNY-FM	LIC	PUB TV CORP CENTRAL NY I	*217B	18.6	18.6	42-56-42	356.2	61.5
SYRACUSE ###	NY	BMLD-870522K	91.3	740	740	76-01-28	176.2	
Network: NPR								
WGRC	CP	SALT & LIGHT MEDIA MINIS	*217B1	5.00	5.00	40-59-58	213.7	87.4
LEWISBURG	PA	BPED-860715MF	91.3	89	89	76-52-24	33.0	
Amended 06/02/87; CP Granted 08/17/87; Call Granted 11/09/87								
WVKR-FM	CP	VASSAR COLLEGE	*217B1	3.70	DA	41-38-25	105.5	103.3
POUGHKEEPSIE	NY	BPED-880812M1	91.3	820		74-01-16	286.8	
CP Granted 02/15/91 per FCC release #21056 dated 02/25/91								
WLVR	LIC	LEHIGH UNIVERSITY	*217A	.18	.18	40-36-22	163.5	104.3
BETHLEHEM	PA	BLED-830316AB	91.3	60	60	75-22-42	343.9	
WVKR-FM	LIC	VASSAR COLLEGE	*217A	1.00	1.00	41-41-13	102.9	108.7
POUGHKEEPSIE	NY	BLED-791031AF	91.3	-85	-85	73-53-43	284.3	
WXAC	LIC	ALBRIGHT COL OF THE E U	*217A	.22		40-21-39	179.1	117.0
READING	PA	BLED-850204KR	91.3	-23		75-54-37	359.2	
WYEF	CP	YORKSHIRE ED BROADCASTIN	*217A	.38	.38	42-31-22	284.9	133.5
YORKSHIRE	NY	BPED-840224CJ	91.3	-154	-154	78-28-22	103.2	
CANCELLED & CALL DELETED 2/14/91; Call Granted 10/24/85								
WTSR	LIC	TRENTON STATE COL RADIO	*217A	1.50	1.50	40-16-17	153.5	137.3
TRENTON	NJ	BLED-1325	91.3	36	36	74-46-55	334.3	
Network: UPI								

FM within 200.0 mi

Title: BINGHAMTON, NY
Channel 215 to 221
Database: DW 03/22/91

Latitude: 42-03-22
Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-kW	V-kW	Latitude	Br-to	Dist
City of license	St	FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
WCWL	LIC	BERKSHIRE CHRISTIAN COMM	*217A	.45	.45	42-20-38	80.8	137.7
STOCKBRIDGE	MA	BLED-1709	91.3	40	40	73-17-20	262.6	
WLCH	CP	SPANISH AMERICAN CIVIC A	*217A	.16	.16	40-04-13	187.6	138.2
LANCASTER	PA	BPED-840309CO	91.3	134	134	76-17-19	7.3	
CP Granted 07/31/86; Call Granted 02/10/87; Ant: Celwave ECFM-3								
WBNY	LIC	STATE UNIVERSITY OF NEW	*217A	.100	.100	42-55-59	293.0	161.9
BUFFALO	NY	BLED-821101AK	91.3	113	113	78-52-59	111.0	
WVUH	LIC	ARCHIBALD WOODRUFF	*217A	1.00	1.00	41-46-26	95.8	163.0
WEST HARTFORD	CT	BLED-1250	91.3	520	520	72-48-20	277.9	
WXDR	LIC	UNIVERSITY OF DELAWARE	*217A	1.00	1.00	39-41-26	176.5	163.5
NEWARK	DE	BLED-830421AD	91.3	135	135	75-45-23	356.6	
WUV	LIC	VERMONT STATE COLLEGE	*217A	.23		43-36-29	51.6	176.6
CASTLETON	VT		91.3	-235		73-10-54	233.5	
NEW	APC	NEW JERSEY PUBLIC BCG AU	*217A	.15	2.00DA	39-26-15	162.4	189.3
VINELAND	NJ	BPED-900522MB	91.3	262	262	74-52-05	343.1	
Tendered per FCC release #14744 dated 05/29/90; Cut-off 09/13/90 B-120								
WKNH	LIC	KEENE STATE COLLEGE UNIV	*217A	.27	.27	42-55-29	71.0	196.6
KEENE	NH	BLED-830112AB	91.3	-376	-376	72-16-42	253.4	
TO *219A								
NEW	APC	TEMPLE UNIV OF THE C/WEA	*217B1	1.68	10.5	39-19-15	161.6	198.5
OCEAN CITY	NJ	BPED-900108MD	91.3	384	394	74-46-17	342.4	
Tendered per FCC release #14645 dated 01/23/90; Cut-off 05/22/90 A-193								
WPBX	LIC	LONG ISLAND UNIVERSITY	*217A	1.00	1.00	40-53-17	112.8	198.7
SOUTHAMPTON	NY	BLED-880330KA	91.3	215	215	72-26-43	295.2	
TO *202B1; Network: AMP CBS SMN								
WUCI	LIC	UHURU COMMUNICATIONS INC	*218B1	.63	.63	42-03-22	.0	.0
BINGHAMTON	NY	BLED-860909KA	91.5	792	792	75-56-39	.0	
Call Granted 01/17/85								
WVMW-FM	LIC	MARYWOOD COLLEGE	*218A	.100	.100	41-25-57	159.6	45.9
SCRANTON ###	PA	BLED-820524AL	91.5	-285	-285	75-38-06	339.8	
WXXI-FM	LIC	ROCHESTER AREA ED TV ASS	*218B	45.0	45.0	43-08-07	312.3	112.0
ROCHESTER ###	NY	BLED-801231AN	91.5	440	440	77-35-03	131.2	
Network: AP AMP; Affiliated with (AM)								
WRPI	LIC	RENSSELAER POLYTECHNIC I	*218B1	10.0	10.0	42-41-14	68.4	122.5
TROY	###	NY BLED-711	91.5	370	370	73-42-22	249.9	

INDEPENDENT BROADCAST CONSULTANTS, INC.
TRUMANSBURG, NEW YORK

FIGURE 5

Page 5

March 22, 1991

FM within 200.0 mi

Title: BINGHAMTON, NY
Channel 215 to 221
Database: DW 03/22/91

Latitude: 42-03-22
Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-kW	V-kW	Latitude	Br-to	Dist
City of license		St FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
WNYE	LIC	NEW YORK N Y BD OF EDUCA	*218B	20.0		40-41-21	132.1	139.1
BROOKLYN		NY BLED-1322	91.5	430		73-58-37	313.4	
NEW	APP	WESTCHESTER COUNCIL PUBL	*218B1	20.0	20.0	40-34-36	133.8	146.1
BROOKLYN		NY 850624ML	91.5	165	165	73-56-04	315.1	
SEEKS TO SHARE TIME WITH WNYE								
WSRN-FM	LIC	SWARTHMORE COLLEGE	*218A	.11	.11DA	39-54-18	168.1	151.6
SWARTHMORE		PA BLED-810420AI	91.5	140	140	75-21-16	348.5	
WDBK	LIC	CAMDEN COUNTY COLLEGE	*218A	.100	.100	39-47-06	162.9	163.7
BLACKWOOD		NJ BLED-820329AA	91.5	81	81	75-02-19	343.5	
WJWK	LIC	JAMESTOWN COMMUNITY COLL	*218D	.010		42-06-47	272.4	168.5
JAMESTOWN		NY	91.5			79-13-15	90.2	
NEW	APC	TOTOKET EDUC FELLOWSHIP	*218A	.100	.100	41-22-07	105.3	168.9
NORTH BRANFORD		CT BPED-880809MW	91.5	161	161	72-48-34	287.4	
Cut-off 08/03/89 B-110; Hearing DDC-90-237, adopted 04/18/90, released 05/30/90								
WMHC	LIC	MOUNT HOLYOKE COLLEGE	*218A	.100	.100	42-15-12	84.4	173.4
SOUTH HADLEY		MA BLED-820920AA	91.5	-18	-18	72-34-40	266.6	
Network: AP								
NEW	APC	FINE ARTS RADIO INCORPOR	*218A	2.00	2.00	41-17-19	106.3	178.1
GUILFORD		CT BPED-880331MB	91.5	83	83	72-39-32	288.5	
Cut-off 04/25/89 A-168; Hearing DDC-90-237, adopted 04/18/90, released 05/30/90								
WNMH	LIC	NORTHFIELD MT HERMON SCH	*218A	.24		42-42-52	74.5	184.8
NORTHFIELD		MA BLED-840619DO	91.5	-307		72-26-38	256.9	
WBJC	LIC	COMMUNITY COLLEGE OF BAL	*218B	50.0	50.0DA	39-23-11	192.9	188.8
BALTIMORE		MD BLED-781115AH	91.5	500	500	76-43-52	12.3	
Network: AP AMP NPR								
WICB	LIC	ITHACA COLLEGE	*219B1	5.50	5.50	42-25-07	311.9	37.7
ITHACA	###	NY BLED-1490	91.7	105	105	76-29-39	131.5	
Network: ABC								
WSQC-FM	CP	WSKG PUBLIC TELECOM COUN	*219A	.68	2.80	42-25-33	60.6	52.6
ONEONTA	###	NY BPED-891204MA	91.7	479	479	75-02-47	241.2	
Granted 09/27/90 per FCC release #20963 dated 10/04/90; as WZXU 12/14/90 per FCC release #149 dated 12/21/90								
WRLC	CP	LYCOMING COLLEGE	*219A	.74		41-14-42	224.5	78.1
WILLIAMSPORT		PA BPED-890705IB	91.7	-299		76-59-50	43.8	
CP Granted 02/05/91 per FCC release #21046 dated 02/11/91								

FM within 200.0 mi

Title: BINGHAMTON, NY
 Channel 215 to 221
 Database: DW 03/22/91

Latitude: 42-03-22
 Longitude: 75-56-39

Call	Auth Licensee name	Channel	H-kw	V-kw	Latitude	Br-to	Dist
City of license	St FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
WRLC	LIC LYCDMING COLLEGE	*219A	.77		41-14-48	224.6	78.2
WILLIAMSPORT	PA BLED-821221AR	91.7	-318		77-00-01	43.9	
NEW	APC DAVID A GALLEFLY	*219B1	2.00	2.00DA	41-36-04	113.2	78.3
MIDDLETOWN	NY BPED-890427MA	91.7	623	623	74-33-13	294.2	
Amended 12/07/90; Cut-off 10/23/90 B-121;							
NEW	APC FAMILY STATIONS INC	*219A	.34	.34DA	41-59-04	92.3	97.7
KINGSTON	NY BPED-881005MI	91.7	272	272	74-02-56	273.5	
Cut-off 07/25/90 A-198							
WMUH	LIC MUHLENBERG COLLEGE	*219A	.44	.44	40-35-52	167.3	103.1
ALLENTOWN	PA BLED-800528AC	91.7	-3	-3	75-30-38	347.6	
WBMR	LIC UNITED EDUCATIONAL BCG I	*219A	.12	.12	40-18-15	164.2	125.6
TELFORD	PA BLED-850731KW	91.7	249	249	75-17-39	344.6	
WBSL-FM	LIC THE BERKSHIRE SCHOOL INC	*219A	.23		42-06-57	87.3	130.0
WHEFFIELD	MA BLED-820819AF	91.7	-74		73-25-00	269.0	
Network: AP; Was WBSL 12/28/88							
WRVE	CP STATE UNIV OF NEW YORK	*219A	.21	.21	43-58-18	.7	132.2
WATERTOWN	NY BPED-870410MC	91.7	24	24	75-54-41	180.7	
CP Granted 06/02/89; Call Granted 09/20/89							
WJAZ	CP TEMPLE UNIV COMMWLTH OF	*219A	.14	.14	40-18-20	204.9	132.9
SUMMERDALE	PA BPED-890712M	91.7	689	689	77-00-27	24.2	
CP Granted 11/05/90 per FCC release #20989 dated 11/15/90; Was WUCF 07/27/90 per FCC release #139 dated 07/27/90; Ant: Harris FML-1E							
WXCI	LIC WESTERN CONNECTICUT STAT	*219A	.76	.76	41-23-44	108.5	138.1
DANBURY	CT BLED-790413AF	91.7	205	205	73-26-24	290.2	
Network: AP							
NEW	APC BUX-MONT ED RADIO ASSOCI	*219A	.010	.100	40-09-33	156.3	142.7
BRISTOL	PA BPED-881117MC	91.7	98	98	74-51-24	337.0	
Cut-off 01/03/90 A-185							
WIXQ	LIC MILLERSVILLE STATE COLLE	*219A	.13	.13	39-59-53	188.7	143.6
MILLERSVILLE	PA BLED-810731AE	91.7	69	69	76-21-20	8.4	
WKDU	LIC DREXEL UNIVERSITY	*219A	.11	.099DA	39-57-36	164.6	149.9
PHILADELPHIA	PA BLED-820421AU	91.7	155	155	75-11-27	345.1	
WKDU	APP DREXEL UNIVERSITY	*219A	.80	.80DA	39-57-36	164.6	149.9
PHILADELPHIA	PA 900103MC	91.7	154	154	75-11-27	345.1	
PET FOR REINSTATEMENT FILED 12/19/90; Tendered per FCC release #14644 dated 01/22/90							

FM within 200.0 mi

Title: BINGHAMTON, NY
Channel 215 to 221
Database: DW 03/22/91

Latitude: 42-03-22
Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-kW	V-kW	Latitude	Br-to	Dist
City of license	St	FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
NEW FORT ANN	APP	CHRISTIAN THEATER OF THE	*219A	.099	.099	43-27-37	50.6	155.8
		NY 880127MA	91.7	1188	1188	73-32-46	232.2	
PET FOR RECON FILED 4/2/90; Amended 04/04/90								
WMPH WILMINGTON	LIC	BRANDYWINE SCHOOL DISTRI	*219A	.100	.100	39-46-23	171.6	159.2
		DE BLED-830321AX	91.7	143	143	75-30-25	351.9	
WGAJ DEERFIELD	LIC	DEERFIELD ACADEMY	*219A	.100	.100DA	42-32-05	77.9	174.9
		MA BLED-840821DW	91.7	313	313	72-35-32	260.2	
ALLOE SAINT CATHARINES	LTD TO 50. KW + 500 FT	ON	219C1			43-10-00	295.6	185.2
			91.7			79-15-00	113.4	
WCUC-FM CLARION	LIC	CLARION STATE COLLEGE	*219A	2.30		41-12-33	252.9	187.2
		PA BLED-1680	91.7	320		79-22-43	70.6	
Network: MBS								
WHUS ORRS	LIC	UNIVERSITY OF CONNECTICU	*219B1	3.20	3.20	41-48-48	93.8	190.6
		CT BLED-1136	91.7	360	360	72-15-33	276.3	
Network: AP								
WHUS STORRS	APP	UNIVERSITY OF CONNECTICU	*219B1	1.03	4.00DA	41-48-48	93.8	190.6
		CT BPED-910107IB	91.7	538	538	72-15-33	276.3	
Accepted per FCC release #14902 dated 01/14/91								
NEW WALPOLE	APC	GRANITE STATE ED FELLOWS	*219A	.20	.20	43-09-09	65.5	191.6
		NH BPED-890321MR	91.7	144	144	72-29-32	247.8	
MUTUALLY EXCLUSIVE W/ WKNH-FM; Amended 07/28/89; Cut-off? 11/19/90 B-124								
WLFR POMONA	LIC	STOCKTON STATE COLLEGE	*219A	1.34	1.34	39-28-45	157.1	192.5
		NJ BLED-850125LR	91.7	134	134	74-32-23	338.0	
WLFR POMONA	CP	STOCKTON STATE COLLEGE	*219A	.90	.90	39-28-45	157.1	192.5
		NJ BPED-900509IA	91.7	151	151	74-32-23	338.0	
CP Granted 09/28/90 per FCC release #20962 dated 10/03/90								
WRMC-FM MIDDLEBURY	LIC	MIDDLEBURY COL PRES + FE	*219A	.100	.100	44-00-35	45.0	194.4
		VT	91.7	-37	-37	73-10-45	226.9	
Deletion proposed; Network: AP								
PRM MIDDLEBURY	DELETION PROPOSED		*219A			44-00-35	45.0	194.4
		VT DOC-90-509	91.7			73-10-45	226.9	
Deletion proposed; PRM adopted 10/13/90, released 11/06/90								
WRMC-FM MIDDLEBURY	APP	MIDDLEBURY COLLEGE	*219A	3.00	3.00	44-01-34	45.0	195.8
		VT BPED-901119MB	91.7	249	249	73-09-44	226.9	
Accepted per FCC release #14868 dated 11/27/90								

FM within 200.0 mi

Title: BINGHAMTON, NY
Channel 215 to 221
Database: DW 03/22/91

Latitude: 42-03-22
Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-KW	V-KW	Latitude	Br-to	Dist
City of license	license	St FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
WKNH	APC	KEENE STATE COLLEGE	*219A	.19	.19	42-55-29	71.0	196.6
KEENE		NH BPED-880426MP	91.7	-363	-363	72-16-42	253.4	
FROM *217A								
NEW	APC	TEMPLE UNIV OF THE C/WEA	*219A		.71	39-11-30	174.1	198.7
DOVER		DE BPED-900116MF	91.7		279	75-33-46	354.4	
Tendered per FCC release #14646 dated 01/24/90; Cut-off 05/04/90 A-191								
WCEB	LIC	CORNING COMMUNITY COLLEGE	*220D	.010		42-07-10	274.7	58.8
CORNING		NY BLED-1249	91.9			77-05-02	93.9	
WRVN	LIC	STATE UNIV OF NEW YORK	*220A	.21	.21	43-06-02	26.4	80.7
UTICA		NY BLED-880825KI	91.9	-82	-82	75-13-57	206.9	
Call Granted 02/08/88								
WNTI	LIC	CENTENARY COLLEGE FOR WD	*220B1	5.60		40-51-07	146.0	99.9
HACKETTSTOWN		NJ BLED-812	91.9	510		74-52-35	326.7	
WLX	CP	SAINT LUKES FOUNDATION I	*220D		.019DA	41-11-32	114.5	140.1
NEW CANAAN		CT BPED-900212IG	91.9		171	73-29-46	296.1	
CP Granted 05/29/90 per FCC release #20872 dated 06/04/90								
WSLX	LIC	SAINT LUKES FOUNDATION I	*220D	.010		41-11-32	114.5	140.1
NEW CANAAN		CT BLED-1366	91.9			73-29-46	296.1	
WCFM	LIC	WILLIAMS COLLEGE	*220A	.44		42-42-49	71.1	147.3
WILLIAMSTOWN		MA	91.9	-750		73-12-18	252.9	
Network: ABC AP								
CFRC-FM	LIC	RADIO QUEEN'S UNIVERSITY	220A	1.25		44-13-37	349.7	152.4
KINGSTON		ON	91.9	102		76-29-43	169.3	
WBGD	LIC	BRICK TOWNSHIP BOARD OF	*220A	.19		40-06-17	144.3	164.8
BRICKTOWN		NJ BLED-860723KB	91.9	57		74-07-34	325.5	
NEW	APP	JOY PUBLIC BCG CORP	*220A	.15	.15	39-37-50	180.2	167.4
NORTH EAST		MD 861119MC	91.9	187	187	75-57-20	.2	
PET FOR RECON FILED 12/21/87; Amended 12/21/87								
WSHR	LIC	BD OF ED OF CENTRAL SCH	*220A	1.85		40-50-00	118.9	170.1
LAKE RONKONKOMA		NY BLED-924	91.9	145		73-06-01	300.8	
WSHR	CP	SACHEM CENTRAL SCHOOL DI	*220A	2.80		40-50-00	118.9	170.1
KE RONKONKOMA		NY BPED-891013IA	91.9	141		73-06-01	300.8	
CP Granted 05/17/90 per FCC release #20866 dated 05/25/90								
WOZQ	LIC	TRUSTEES OF SMITH COLLEGE	*220A	.20	.18DA	42-19-13	82.7	170.7
NORTHAMPTON		MA BLED-820924AH	91.9	-114	-114	72-38-14	265.0	
Network: AP								

FM within 200.0 mi

City: BINGHAMTON, NY
 Channel 215 to 221
 Database: DW 03/22/91

Latitude: 42-03-22
 Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-kW	V-kW	Latitude	Br-to	Dist
City of license	St	FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
WAIC	LIC	AMERICAN INTERNATIONAL C	*220A	.23		42-06-44	87.6	174.1
SPRINGFIELD	MA	BLD-1070	91.9	66		72-33-29	269.9	
ALLOC	LTD TO 30. KW + 500 FT		220B			44-18-00	323.2	195.9
PETERBOROUGH	ON		91.9			78-19-00	141.5	
WDLA-FM	LIC	DELAWARE COUNTY BCG CORP	221A	.69	.69	42-08-10	82.6	44.8
WALTON	NY	BLH-850207KS	92.1	656	656	75-04-48	263.2	
Affiliated with (AM)								
WEAY	CP	FRANK & MALEY INCORPORAT	221A	.76	.76	41-15-43	181.3	54.8
NANTICOKE	PA	BPH-871124IQ	92.1	662	662	75-58-04	1.3	
CP Granted 05/11/88; Was WMJW 01/01/88								
WEAY	LIC	FRANK & MALEY INCORPORAT	221A	.67	.67	41-15-43	181.3	54.8
NANTICOKE	PA	BLH-5988	92.1	552	552	75-58-04	1.3	
Was WMJW 01/01/88								
EN-FM	LIC	BUCKLEY BROADCASTING COR	221B1	25.0	25.0	43-10-46	345.6	80.1
BALDWINVILLE	NY	BLH-880615KB	92.1	299	299	76-20-19	165.4	
Affiliated with (AM)								
WCKR	LIC	PMJ COMMUNICATIONS INCOR	221A	1.26	1.26	42-20-38	283.6	88.6
HORNELL	NY	BLH-851028KG	92.1	510	510	77-37-36	102.4	
Network: USA; Affiliated with (AM)								
WSNU	LIC	LIPEZ BROADCASTING CORPO	221A	3.00	.94	41-08-49	232.3	101.6
LOCK HAVEN	PA	BLH-780725AE	92.1	230	230	77-29-16	51.3	
Deletion proposed; Was WWZU 01/01/90 per FCC release #125 dated 01/12/90; Affiliated with (AM)								
RM	DELETION REQUESTED		221A			41-08-49	232.3	101.6
LOCK HAVEN	PA	RM-6627	92.1			77-29-16	51.3	
Deletion proposed; COUNTERPROPOSAL TO DOC-88-496								
WSNU	APP	LIPEZ BROADCASTING CORPO	221A	3.00	3.00	41-08-49	232.3	101.7
LOCK HAVEN	PA	BPH-880921IC	92.1	328	328	77-29-23	51.3	
Deletion proposed; Was WWZU 01/01/90 per FCC release #125 dated 01/12/90								
WRNQ	CP	DUTCHESS COMMUNICATIONS	221A	2.15	2.15	41-40-36	102.8	112.6
POUGHKEEPSIE	NY	BMPH-870306IB	92.1	383	383	73-49-14	284.2	
CP Granted 01/12/89; Was WLMS 03/31/89								
TX	LIC	CLINTON BROADCASTING COM	221A	3.00	3.00	40-19-35	196.4	124.3
ALMYRA	PA	BLH-870722KA	92.1	300	300	76-36-33	15.9	
Network: ABC; Ant: CCA FM-6811-3								

FM within 200.0 mi

Title: BINGHAMTON, NY
Channel 215 to 221
Database: DW 03/22/91

Latitude: 42-03-22
Longitude: 75-56-39

Call	Auth	Licensee name	Channel	H-kW	V-kW	Latitude	Br-to	Dist
City of license	St	FCC file no.	freq	H-ft	V-ft	Longitude	-from	(mi)
WGFR	LIC	BD OF TRUST ADIRONDACK C	*221D	19.0		43-18-44	52.6	145.5
GLENS FALLS	NY	BLED-830816AA	92.1	505		73-38-58	234.1	
WVLT	CP	CLEAR COMMUNICATIONS INC	221A	3.00	3.00	39-29-53	165.3	182.3
VINELAND	NJ	BPH-870210IA	92.1	328	328	75-04-31	345.9	
Network: CBS; CP Granted 09/09/87; Affiliated with (AM)								
WVLT	LIC	CLEAR COMMUNICATIONS INC	221A	3.00	3.00	39-29-53	165.3	182.3
VINELAND	NJ	BMLH-861009KA	92.1	180	180	75-04-31	345.9	
Network: CBS; Was WKQV 08/15/86; Affiliated with (AM)								
WGLL	LIC	PENN RADIOROAD COMPANY I	221A	3.00	3.00	39-48-34	212.7	183.1
MERCERSBURG	PA	BLH-7008	92.1	295	295	77-48-22	31.4	
Network: ABC								
WGLL	CP	PENN RADIOROAD COMPANY I	221A	2.70	2.70DA	39-48-34	212.7	183.1
MERCERSBURG	PA	BPH-900305IK	92.1	469	469	77-48-22	31.4	
CP Granted 08/02/90 per FCC release #20922 dated 08/09/90								
PRM		CLASS CHANGE TO C3 PROPO	221A			44-01-38	41.6	184.6
PORT HENRY	NY	DOC-90-509	92.1			73-28-54	223.2	
Deletion proposed; PRM adopted 10/13/90, released 11/06/90								
WMNM	LIC	PRO-RADIO INCORPORATED	221A	3.00	3.00	44-01-38	41.6	184.6
PORT HENRY	NY	BLH-891018KD	92.1	-89	-89	73-28-54	223.2	
Deletion proposed; Was WHWB-FM 09/18/89; License Granted 08/20/90 per FCC release #21030 dated 01/17/91; Affiliated with (AM)								
PRM		CLASS CHANGE FROM A PROP	221C3			44-01-38	41.6	184.6
PORT HENRY	NY	DOC-90-509	92.1			73-28-54	223.2	
PRM adopted 10/13/90, released 11/06/90								
WGLU	LIC	P A C MEDIA INCORPORATED	221A	.30	.30	40-22-15	234.6	196.5
JOHNSTOWN	PA	BLH-870601KB	92.1	1042	1042	78-59-02	52.6	
Network: ABC								

>> End of FM within 200.0 mi <<

Facilities or proposals so designated were deemed close enough to warrant contour protection analysis; see Allocation Study included herein.

Terrain Averages from NGDC 30-second Topographic database

Title: BINGHAMTON, NY

Latitude: 42-03-22

Longitude: 75-56-39

Bearing (Degrees true)	3.0 to 16.0 kilometer average terrain elevation (meters)	3.0 to 16.0 kilometer average terrain elevation (feet)
.0	333.7	1094.8
* 29.0	302.5	992.5
45.0	358.3	1175.5
* 68.0	361.9	1187.3
90.0	397.5	1304.1
135.0	435.1	1427.5
* 160.0	492.7	1616.5
180.0	517.4	1697.5
225.0	468.7	1537.7
270.0	361.2	1185.0
* 312.0	321.9	1056.1
315.0	314.0	1030.2
* 356.0	340.8	1118.1
Average:	398.2	1306.4
* = Radial not included in average		
Average (9) radials:	394.9	1295.6
Average (12) radials:	391.1	1283.1
Average (18) radials:	391.8	1285.4
Average (24) radials:	391.7	1285.1
Average (36) radials:	391.6	1284.8
Average (72) radials:	392.0	1286.1

FIGURE 7

PREDICTED SERVICE/INTERFERENCE CONTOURS

Proposed New FM Station
 Binghamton, NY
 Ch. 218A (91.5 MHz); 0.560 kW, 257 m. (844 ft.) AAT

Proposed Site:
 N 42-03-22
 W 75-56-39

<u>BEARING</u> (°T)	<u>GROUND LEVEL</u> <u>AVE. TERRAIN</u> (3-16 km.)	<u>RADIATION CENTER</u> <u>HAAT</u> (meters & feet)	<u>PROTECTED CONTOUR</u> <u>FCC F(50,50)Curves</u> 60 dBu		<u>INTERFERING CONTOUR</u> <u>FCC F(50,10)Curves</u> 54 dBu 40 dBu	
			0°T	333.7 m. 1094.8 ft.	321.6 m. 1055.2 ft.	28.0 km. 17.4 mi.
29°T	302.5 m. 992.5 ft.	352.8 m. 1157.5 ft.	29.8 km. 18.5 mi.	45.1 km. 28.0 mi.	85.6 km. 53.2 mi.	
45°T	358.3 m. 1175.5 ft.	297.0 m. 974.5 ft.	27.0 km. 16.8 mi.	39.8 km. 24.7 mi.	78.1 km. 48.5 mi.	
68°T	361.9 m. 1187.3 ft.	293.4 m. 962.7 ft.	26.9 km. 16.7 mi.	39.4 km. 24.5 mi.	77.7 km. 48.3 mi.	
90°T	397.5 m. 1304.1 ft.	257.8 m. 845.9 ft.	26.4 km. 16.4 mi.	37.0 km. 23.0 mi.	74.5 km. 46.3 mi.	
135°T	435.1 m. 1427.5 ft.	220.2 m. 722.5 ft.	23.7 km. 14.7 mi.	34.3 km. 21.3 mi.	70.0 km. 43.5 mi.	
160°T	492.7 m. 1616.5 ft.	162.6 m. 533.5 ft.	20.4 km. 12.7 mi.	29.5 km. 18.3 mi.	63.9 km. 39.7 mi.	
180°T	517.4 m. 1697.5 ft.	137.9 m. 452.5 ft.	18.8 km. 11.7 mi.	27.4 km. 17.0 mi.	58.4 km. 36.3 mi.	
225°T	468.7 m. 1537.7 ft.	186.6 m. 612.3 ft.	22.0 km. 13.7 mi.	31.9 km. 19.8 mi.	65.3 km. 40.6 mi.	
270°T	361.2 m. 1185.0 ft.	294.1 m. 965.0 ft.	26.9 km. 16.7 mi.	39.6 km. 24.6 mi.	77.7 km. 48.3 mi.	
312°T	321.9 m. 1056.1 ft.	333.4 m. 1093.9 ft.	28.6 km. 17.8 mi.	43.5 km. 27.0 mi.	80.8 km. 50.2 mi.	
315°T	314.0 m. 1030.2 ft.	341.3 m. 1119.8 ft.	29.1 km. 18.1 mi.	43.9 km. 27.3 mi.	81.9 km. 50.9 mi.	
356°T	340.8 m. 1118.1 ft.	314.5 m. 1031.9 ft.	27.8 km. 17.3 mi.	42.3 km. 26.3 mi.	79.5 km. 49.4 mi.	

FIGURE 8

PREDICTED SERVICE/INTERFERENCE CONTOURS

Radio Station WXXI-FM
 Rochester, NY
 Ch. 218B (91.5 MHz.); 45.0kW, 134.1m (440') AAT

WXXI-FM Site:
 N 43-08-07
 W 77-35-02.5

<u>BEARING</u> (°T)	<u>GROUND LEVEL</u>	<u>RADIATION CENTER</u>	<u>PROTECTED CONTOUR</u>	<u>INTERFERING CONTOUR</u>
	<u>AVE. TERRAIN</u> (3-16 km.)	<u>HAAT</u> (meters & feet)	<u>60dBu (1.0 mv/m)</u> FCC F(50,50)Curves	<u>40dBu (0.1 mv/m)</u> FCC F(50,10)Curves
0°T	107.3 m. 352.0 ft.	172.5 m. 566.0 ft.	53.3 km. 33.1 mi.	----- -----
45°T	112.5 m. 369.0 ft.	167.3 m. 549.0 ft.	52.9 km. 32.9 mi.	----- -----
90°T	139.9 m. 459.0 ft.	139.9 m. 459.0 ft.	49.9 km. 31.0 mi.	136.2 km. 84.6 mi.
135°T	156.4 m. 513.0 ft.	123.4 m. 405.0 ft.	47.6 km. 29.6 mi.	133.6 km 83.0 mi.
180°T	187.1 m. 614.0 ft.	92.7 m. 304.0 ft.	43.1 km. 26.8 mi.	128.7 km. 80.0 mi.
225°T	165.8 m. 544.0 ft.	114.0 m. 374.0 ft.	46.5 km. 28.9 mi.	132.0 km. 82.0 mi.
270°T	170.0 m. 558.0 ft.	109.7 m. 360.0 ft.	45.9 km. 28.5 ft.	----- -----
315°T	136.2 m. 447.0 ft.	143.6 m. 471.0 ft.	50.2 km. 31.2 mi.	----- -----

Source: WXXI construction permit application (since implemented), May 1980 and on file in Commission's records.

FIGURE 9

PREDICTED SERVICE/INTERFERENCE CONTOURS

Radio Station WVMW-FM
Scranton, PA
Ch. 218A (91.5 MHz.); 0.10kW, -87m (-285') AAT

WVMW Site:
N 41-25-57
W 75-38-06

<u>BEARING</u> <u>(°T)</u>	<u>GROUND LEVEL</u> <u>AVE. TERRAIN</u> <u>(3-16 km.)</u>	<u>RADIATION CENTER</u> <u>HAAT</u> <u>(meters & feet)</u>	<u>PROTECTED CONTOUR</u> <u>60dBu (1.0 mv/m)</u> <u>FCC F(50,50)Curves</u>	<u>INTERFERING CONTOUR</u> <u>40dBu (0.1 mv/m)</u> <u>FCC F(50,10)Curves</u>
0°T	448.0 m. 1470.0 ft.	-140.2 m. -460.0 ft.	5.6 km. 3.5 mi.	19.5 km. 12.1 mi.
45°T	299.0 m. 981.0 ft.	8.8 m. 29.0 ft.	5.6 km. 3.5 mi.	19.5 km. 12.1 mi.
90°T	501.4 m. 1645.0 ft.	-191.4 m. -628.0 ft.	5.6 km. 3.5 mi.	19.5 km. 12.1 mi.
135°T	458.7 m. 1505.0 ft.	-150.9 m. -495.0 ft.	5.6 km. 3.5 mi.	19.5 km. 12.1 mi.
180°T	439.8 m. 1443.0 ft.	-132.0 m. -433.0 ft.	5.6 km. 3.5 mi.	19.5 km. 12.1 mi.
225°T	215.8 m. 708.0 ft.	92.0 m. 302.0 ft.	10.0 km. 6.2 mi.	-----
270°T	409.0 m. 1342.0 ft.	-101.2 m. -332.0 ft.	5.6 km. 3.5 mi.	19.5 km. 12.1 mi.
315°T	387.4 m. 1271.0 ft.	- 79.5 m. -261.0 ft.	5.6 km. 3.5 mi.	19.5 km. 12.1 mi.

Source: WVMW construction permit engineering data (FCC Form 340), dated December 20, 1979 and on file with the Commission.

PREDICTED SERVICE/INTERFERENCE CONTOURS

Radio Station WRPI
Troy, NY
Ch. 218B1 (91.5 MHz.); 10.0 kW, 112.8m (370') AAT

<u>BEARING</u> <u>(°T)</u>	<u>GROUND LEVEL</u> <u>AVE. TERRAIN</u> <u>(3-16 km.)</u>	<u>RADIATION CENTER</u> <u>HAAT</u> <u>(meters & feet)</u>	<u>PROTECTED CONTOUR</u> <u>60dBu (1.0 mv/m)</u> <u>FCC F(50,50)Curves</u>	<u>INTERFERING CONTOUR</u> <u>40dBu (0.1 mv/m)</u> <u>FCC F(50,10)Curves</u>
0-360°T	----- -----	112.8 m 370.0	34.0 km. 21.1 mi.	97.3 km. 60.5 mi.

(Assumption of Uniform Terrain)

PREDICTED SERVICE/INTERFERENCE CONTOURS

Radio Station WCNY-FM
 Syracuse, NY
 Ch. 217B (91.3 MHz.); 18.6kW, 255.5m (740') AAT

WCNY Site:
 N 42-56-42
 W 76-01-28

<u>BEARING</u> (°T)	<u>GROUND LEVEL</u> <u>AVE. TERRAIN</u> (3-16 km.)	<u>RADIATION CENTER</u> <u>HAAT</u> (meters & feet)	<u>PROTECTED CONTOUR</u> <u>60dBu (1.0 mv/m)</u> FCC F(50,50)Curves	<u>INTERFERING CONTOUR</u> <u>54dBu (0.5 mv/m)</u> FCC F(50,10)Curves
0°T	177.4 m. 582.0 ft.	352.9 m. 1158.0 ft.	65.2 km. 40.5 mi.	----- -----
45°T	278.6 m. 914.0 ft.	251.8 m. 826.0 ft.	56.3 km. 35.0 mi.	----- -----
90°T	337.7 m. 1108.0 ft.	192.6 m. 632.0 ft.	49.9 km. 31.0 mi.	----- -----
135°T	397.1 m. 1303.0 ft.	133.2 m. 437.0 ft.	42.6 km. 26.5 mi.	62.8 km. 39.0 mi.
180°T	476.7 m. 1564.0 ft.	53.6 m. 176.0 ft.	27.5 km. 17.1 mi.	44.7 km. 27.8 mi.
225°T	301.4 m. 989.0 ft.	228.9 m. 751.0 ft.	53.9 km. 33.5 mi.	74.8 km. 46.5 mi.
270°T	285.3 m. 936.0 ft.	245.0 m. 804.0 ft.	56.0 km. 34.8 mi.	----- -----
315°T	187.1 m. 614.0 ft.	343.2 m. 1126.0 ft.	64.4 km. 40.0 mi.	----- -----

Source: WCNY-FM construction permit application (subsequently granted) submitted June 1971 and on file with Commission.

Terrain Averages from NGDC 30-second Topographic database

Title: WICB - ITHACA, NY Latitude: 42-25-07
 Longitude: 76-29-39

Bearing (Degrees true)	3.0 to 16.0 kilometer average terrain elevation (meters)	3.0 to 16.0 kilometer average terrain elevation (feet)
.0	254.8	836.0
45.0	310.2	1017.7
90.0	416.4	1366.1
* 132.0	398.0	1305.8
135.0	389.3	1277.2
180.0	401.1	1315.9
225.0	357.9	1174.2
270.0	368.3	1208.3
315.0	307.3	1008.2
Average:	350.7	1150.6

* = Radial not included in average

Average (9) radials:	354.8	1164.0
Average (12) radials:	354.8	1164.0
Average (18) radials:	351.6	1153.5
Average (24) radials:	349.2	1145.7
Average (36) radials:	349.6	1147.0
Average (72) radials:	350.0	1148.3